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<b>Notice of Allowability</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	09/990,024	CHUKANOV, KIRIL B.	
	<b>Examiner</b>	<b>Art Unit</b>	
	Thuy V. Tran	2821	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment submitted on 12/06/2004.
2. ☒ The allowed claim(s) is/are 1-34.
3. ☒ The drawings filed on 06 December 2004 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

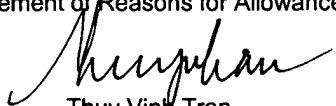
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |   |  |
|---|--|
| <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Notice of References Cited (PTO-892)</li> <li>2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)</li> <li>3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br/>Paper No./Mail Date _____</li> <li>4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br/>of Biological Material</li> </ol> | <ol style="list-style-type: none"> <li>5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)</li> <li>6. <input type="checkbox"/> Interview Summary (PTO-413),<br/>Paper No./Mail Date _____</li> <li>7. <input type="checkbox"/> Examiner's Amendment/Comment</li> <li>8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance</li> <li>9. <input type="checkbox"/> Other _____</li> </ol> |
|---|--|

  
Thuy Vinh Tran  
Primary Examiner  
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### **DETAILED ACTION**

This is a response to the Applicant's amendment submitted on December 6<sup>th</sup>, 2004. In virtue of this amendment, claims 1-34 are now presented in the instant application.

#### ***Allowable Subject Matter***

1. Claims 1-34 are allowed.

#### ***Reasons for Allowance***

2. The following is an examiner's statement of reasons for allowance:

Prior art fails to disclose or fairly suggest:

- A method of generating quantum energy comprising the steps of (1) generating a quantum macro object from the electrons, the quantum macro object having a positively charged nucleus with a boundary, and an electron cloud surrounding the positively charged nucleus, the electron cloud comprising a plurality of free-floating electrons and a plurality of quantum electrons, and (2) inducing an active impact upon the quantum macro object by energizing the quantum electrons, wherein the quantum electrons are caused to move in an orbital manner about the nucleus, the active impact causing the quantum electrons to radiate quantum energy, in combination with the remaining claimed limitations as called for in independent claim 1;
- A method of generating high energy photons comprising the steps of (1) increasing gas pressure within the bounded area to transition the glow discharge plasma to a quantum macro object, wherein the quantum object comprises a positively charged nucleus and an electron cloud surrounding the positively charged nucleus, the electron cloud comprising a plurality of quantum electrons and a plurality of free-

floating electrons, the quantum electrons comprising large amounts of potential energy, and (2) energizing the quantum electrons by inducing an active impact upon the quantum macro object, wherein the quantum electrons are caused to move about and orbit the nucleus of the quantum macro object such that the potential energy existing within the quantum electrons is converted and released in form of quantum energy, in combination with the remaining claimed limitations as called for in independent claim 2 (claim 3 is allowed since it is dependent on claim 2);

- A method of generating quantum energy comprising the steps of (1) transforming the plasma into a new state to obtain a quantum macro object having a positively charged nucleus with a definite and distinct boundary, and an electron cloud adjacent to and surrounding the boundary, the electron cloud containing a plurality of quantum electrons in a quantum state and a plurality of free-floating electrons not associated with the quantum object, the electron cloud contained within a dielectric barrier created between a dielectric wall within the dielectric container and the nucleus of the quantum macro object, and (2) inducing an active impact upon the quantum macro object by energizing the quantum electrons with an electrical current, wherein the quantum electrons are caused to accelerate in an orbital motion around the quantum macro object, thereby radiating high energy photons in form of quantum energy, the active impact causing the generation of the quantum energy, in combination with the remaining claimed limitations as called for in independent claim 4 (claims 5-28 are allowed since they are dependent on claim 4);

- A method of generating high energy photons comprising the steps of (1) radiating, continuously, the chamber with microwave radiation at a minimum frequency of about 2 GHz, such that composition atoms of the gaseous substance disassociate and disintegrate to their component electron and atomic nuclei particles, wherein the radiation energizes the gaseous substance, wherein the gaseous substance ionizes and transitions to a glow discharge plasma state, (2) increasing the gas pressure within the quartz dielectric container, thus causing the glow discharge plasma to transition to a new state as a quantum macro object, the quantum macro object comprised of an autonomous body having a positively charged structureless component that forms a metastable homogeneous compact nuclei having a distinct boundary, and an electron cloud adjacent to and surrounding the nuclei, the electron cloud containing a plurality of quantum electrons in a quantum state and a plurality of free-floating electrons not associated with the quantum macro object, the electron cloud contained within a dielectric barrier created between a dielectric wall within the dielectric container and the nucleus of the quantum macro object, the dielectric wall comprising an electron layer contained therein, and (3) energizing the quantum electrons by inducing an active impact upon the quantum macro object, the active impact created by introducing an electrical current into the electron cloud adjacent the boundary of the quantum macro object, the electrical current comprising a minimum voltage of about 2000 volts and a minimum current of about 3 amps, the electrical current energizing the quantum electrons and causing them to move in an orbital manner about the quantum macro object and within the dielectric barrier at a constant acceleration  $a_c$

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and with a kinetic energy  $E_k$ , such that the energized electrons generate and radiate inexhaustible quantum energy  $E_n$  equal to the kinetic energy  $E_k$ , in combination with the remaining claimed limitations as called for in independent claim 29; and

- A system for generating high energy photons comprising (1) means for increasing gas pressure within the bounded area to transition the glow discharge plasma to a quantum macro object, wherein the quantum macro object comprises a positively charged nucleus and an electron cloud surrounding the positively charged nucleus, the electron cloud comprising a plurality of free-floating electrons and a plurality of quantum electrons, the quantum electrons comprising large amounts of potential energy, and (2) an energizer for energizing the quantum by inducing an active impact upon the quantum macro object, wherein the quantum electrons are caused to orbit the nucleus of the quantum macro object such that the potential quantum energy existing within the quantum electrons is continuously and inexhaustibly converted and released in form of quantum energy, in combination with the remaining claimed limitations as called for in independent claim 30 (claims 31-34 are allowed since they are dependent on claim 30).

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

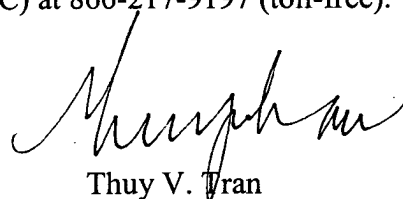
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***Inquiry***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thuy V. Tran whose telephone number is (571) 272-1828. The examiner can normally be reached on M-F (8:00 AM -5:00 PM).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Don Wong can be reached on (571) 272-1834. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Thuy V. Tran  
Primary Examiner  
Art Unit 2821

01/03/2005